

HARRISBURG INTERNATIONAL AIRPORT (ANG) Water Distribution System

Table of Contents

HARRISBURG INTERNATIONAL AIRPORT (ANG) WATER DISTRIBUTION SYSTEM.....	I
J15 HARRISBURG INTERNATIONAL AIRPORT (ANG) WATER DISTRIBUTION SYSTEM.....	1
J15.1 HARRISBURG INTERNATIONAL AIRPORT (ANG) O VERVIEW.....	1
J15.2 WATER DISTRIBUTION SYSTEM DESCRIPTION.....	1
J15.2.1 Water Distribution System Fixed Equipment Inventory	1
J15.2.1.1 Description.....	1
J15.2.1.2 Inventory	2
J15.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools	3
J15.2.3 Water Distribution System Manuals, Drawings, and Records.....	3
J15.3 SPECIFIC SERVICE REQUIREMENTS.....	3
J15.4 CURRENT SERVICE ARRANGEMENT.....	3
J15.5 SECONDARY METERING.....	4
J15.5.1 Existing Secondary Meters	4
J15.5.2 Required New Secondary Meters	4
J15.6 MONTHLY SUBMITTALS.....	4
J15.7 WATER CONSERVATION PROJECTS.....	5
J15.8 SERVICE AREA	5
J15.9 OFF-INSTALLATION SITES.....	5
J15.10 SPECIFIC TRANSITION REQUIREMENTS.....	5
J15.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES	5

List of Tables

Fixed Inventory	2
Spare Parts	3
Specialized Vehicles and Tools	3
Manuals, Drawings, and Records.....	3
Existing Secondary Meters.....	4
New Secondary Meters.....	4
Service Connections and Disconnections	5
System Deficiencies.....	5

J15 HARRISBURG INTERNATIONAL AIRPORT (ANG) Water Distribution System

J15.1 HARRISBURG INTERNATIONAL AIRPORT (ANG) Overview

Harrisburg International Airport (ANG) is home to the 193rd Special Operations Wing and is located in south central Pennsylvania, approximately 105 miles west of Philadelphia and nine miles north-west of Harrisburg. The airport is owned by the Commonwealth of Pennsylvania and is operated by the Pennsylvania Department of Transportation, Bureau of Aviation. The ANG occupies 23 buildings; 15 industrial; 6 administrative; and 2 services, amounting to approximately 295,000 square feet on approximately 36 acres at the east-end of the airport. There are 297 full time personnel on base with a twice a month drill weekend surge to 981 personnel.

J15.2 Water Distribution System Description

J15.2.1 Water Distribution System Fixed Equipment Inventory

The Harrisburg International Airport (ANG) water distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, pipelines, valves, fire hydrants, storage facilities, exterior backflow devices, pumps, and meters. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the water distribution system privatization are:

- Irrigation systems and non-potable fire systems

J15.2.1.1 Description

The water system at the Harrisburg International Airport (ANG) is a closed loop system consisting of approximately 5400 linear feet of cast iron pipe ranging in size from two inches to 10 inches. The depth of the pipe ranges from three feet to five feet. The water system also includes 10 cast iron valves ranging in size from two inches to 10 inches. There are also 15 fire hydrant assemblies and

one 6-inch post indicator valve. The dates of construction of the water system range from 1980 to 1999.

J15.2.1.2 Inventory

Table 1 provides a general listing of the major water distribution system fixed assets for the Harrisburg International Airport (ANG) water distribution system included in the sale.

TABLE 1

Fixed Inventory

Water Distribution System Harrisburg International Airport (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
Cast Iron Pipe	2 inch	626	LF	1980
	6 inch	1250	LF	1980
	8 inch	546	LF	1980
	10 inch	2482	LF	1980
	10 inch	465	LF	1988
Cast Iron Gate Valve	2 inch	4	EA	1980
	6 inch	3	EA	1980
	8 inch	1	EA	1980
	10 inch	2	EA	1980
Fire Hydrant Assemblies	standard	12	EA	1980
	standard	1	EA	1988
	standard	1	EA	1998
	standard	1	EA	1999
Post Indicator Valve	6 inch	1	EA	1980
Concrete Meter Pit	8'x12'x6'	1	EA	1980

Notes:

PVC = Polyvinyl chloride

EA = Each

GAL= Gallon

HP = Horsepower

LF = Linear Feet

J15.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2

Spare Parts

Water Distribution System Harrisburg International Airport (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools

Water Distribution System Harrisburg International Airport (ANG)

Description	Quantity	Location	Maker
None			

J15.2.3 Water Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records

Water Distribution System Harrisburg International Airport (ANG)

Qty	Item	Description	Remarks
1	Water System Utility Map	Electronic Copy	AutoCAD 14

J15.3 Specific Service Requirements

The service requirements for the Harrisburg International Airport (ANG) water distribution system are as defined in the Section C Description/Specifications/Work Statement.

J15.4 Current Service Arrangement

Water is provided by the Susquehanna Area Regional Airport Authority. Annual water usage is approximately 10,500,000 gallons (1,400,000 cubic feet) per year. The monthly average is 875,000 gallons with a fluctuation of 100,000 gallons.

J15.5 Secondary Metering

J15.5.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J15.6 below.

TABLE 5

Existing Secondary Meters

Water Distribution System Harrisburg International Airport (ANG)

Meter Location	Meter Description (Type)
None	

J15.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J15.6 below.

TABLE 6

New Secondary Meters

Water Distribution System Harrisburg International Airport (ANG)

Meter Location	Meter Description
None	

J15.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all identified secondary meters (if any). The Contractor's monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

J15.7 Water Conservation Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for conservation purposes.

None

J15.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Harrisburg International Airport (ANG) boundaries.

J15.9 Off-Installation Sites

No off-installation sites are included in the sale of the Harrisburg International Airport (ANG) water distribution system.

J15.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

TABLE 7

Service Connections and Disconnections

Water Distribution System Harrisburg International Airport (ANG)

Location	Description
None	

J15.11 Government Recognized System Deficiencies

Table 8 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Harrisburg International Airport (ANG) water distribution system. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 8

System Deficiencies

Water Distribution System Harrisburg International Airport (ANG)

Project Location	Project Description
None	

